

Title (en)

Process for the preparation of acicular alpha-iron oxide hydrate.

Title (de)

Verfahren zur Herstellung von nadelförmigen Alpha-Eisenoxid-Hydrat.

Title (fr)

Procédé pour la préparation d'hydrate d'oxyde de fer alpha aciculaire.

Publication

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Application

EP 92308230 A 19920910

Priority

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Abstract (en)

A process for the preparation of acicular a-iron oxide hydrate which comprises oxidizing a slurry of ferrous hydroxide having an excessive alkali concentration of 1.0 mol/P or above with an oxygen-containing gas, interrupting oxidation, adding an excessive quantity of an aqueous solution of a salt of aluminate, homogenizing and stirring the resulting mixture, again oxidizing it with an oxygen-containing gas to obtain a slurry containing free aluminate ion and a-iron oxide hydrate, homogenizing and stirring the slurry, then neutralizing and aging it, and washing and drying it.

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